

# DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

## BUILDING INSPECTION

Please Read  
Application And  
Notes, If Any,  
Attached

Permit Number: 041187  
DATE: 9/9/04

This is to certify that Mks Development Inc /Chris Ballard  
has permission to Build new 2159 sq. Ft. Colonial style home with 2 car garage  
At 30 Yale St Lt # 1 436 A009001 **CITY OF PORTLAND**

provided that the person or persons who accept this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Inspection must be obtained and when permission is granted before this building or part thereof is occupied or otherwise closed-in. **YOUR NOTICE IS REQUIRED.**

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

### OTHER REQUIRED APPROVALS

Fire Dept. \_\_\_\_\_  
Health Dept. \_\_\_\_\_  
Appeal Board \_\_\_\_\_  
Other \_\_\_\_\_  
Department Name

*Amie Bonke 9/9/04*  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 04-1187	Issue Date: SEP 10 2004	CBL: 436 A009001
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Location of Construction: 24 Yale St Lot # 1	Owner Name: Mks Development Inc	Owner Address: 7 Terra Way	Phone: 207-781-8822
Business Name: n/a	Contractor Name: Chris Ballard	Contractor Address: 7 Terra Way Falmouth	Phone: 2078383800
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Single Family	Zone: R-3

Past Use: Vacant Land	Proposed Use: Build New 2 159 sq. Ft. Colonial style home with 2 car garage.	Permit Fee:	Cost of Work:	CEO District:
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Proposed Project Description: Build new 2159 sq. Ft. Colonial style home with 2 car garage.	FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied INSPECTION: Use Group: R3 Type: 5B Signature: JMB 9/9/04 PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: Date:
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Permit Taken By: gg	Date Applied For: 08/17/2004	<b>Zoning Approval</b>	
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Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland <i>NA</i> <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>panel 7 zone</i> <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan <i># 2004-0167</i> Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/> <i>OK with this</i> Date: <i>8/26/04</i>	<input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: <i>9/9/04</i>	<input checked="" type="checkbox"/> Not in District or Landmar <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

24 Yale St 04-1187  
 MD Lot 1 436-A-9

Soil type/Presumptive Load Value (Table 401.4.1)	Subdivision	Drawn	Inspector/Date/Notes
<b>STRUCTURAL</b>			
Footing Dimensions/Depth (Table 403.1.1 & 403.1.1(1), Section 403.1.2)	10x18-8'		
Foundation Drainage Dampproofing (Section 406)	chain, Fabric, bituminous	OK	
Ventilation (Section 409.1) Crawls Space ONLY	3 windows	OK	
AnchorBolts/Straps (Section 403.1.4)	6" OC. 12" Corners/cuts	OK	
Lally Column Type, Spacing and footing sizes (Table 502.3.4(2))	3 1/2 lally 2x2x8"	OK	Carrying floor header also in
Built-Up Wood Center Girder Dimension/Type (Table 502.3.4(2))	3-2x12 6'+8'	OK	1st Floor partition
Sill/Band Joist Type & Dimensions First Floor Joist Species Dimensions and Spacing (Table 503.3.1(1) & Table 503.3.2(1))	2x6 PT 2x10 2x10 16 O.C.	OK	
Second Floor Joist Species Dimensions and Spacing Table(503.3.1(1) & Table 503.3.2(1))	2x10 16 O.C. Savage AS142Y Truss	OK	

Attic or additional Floor Joist Species Dimensions and Spacing (Table 802.4.2 or 503.3.1(1) & Table 503.3.2(1))	2x8 16 o.c. 2x4 collar tie	OK
Roof Rafter: Pitch, Span, Spacing & Dimension (Table 802.3.2(7))	5:12 / 8:12 2x10 16 o.c. 12' 11' 2x12 HPS	OK
Sheathing; Floor, Wall and roof (Table 503.2.1(1))	3/4 Advantec, 7/16 OSB, 1/2 CDX	OK
Fastener Schedule (Table 602.3(1) & (2))	BOCA 1579	OK
<b>Private Garage</b> Section 309 and Section 407 1999 BOCA)		
Living Space? (Above or beside)		
Fire separation	5/8 walls/ceilings	OK
Fire rating of doors to living space Door Sill elevation (407.5 BOCA)	45 min	OK
Egress Windows (Section 310)	yes OK	OK
Roof Covering (Chapter 9)	25 yr asphalt	<del>OK</del>
Safety Glazing (Section 308)	2nd FL RT Baln	OK condition
Attic Access (BOCA 1211.1)	22x30	OK
Draft Stopping around chimney	N/A	

Heating Schedule	over 48" - 32x10 or LVLS	OK
Type of Heating System	Side Vent Furnace	OK
<b>Stairs</b>		
Number of Stairways	2	OK
Interior	NO	
Exterior	NO	
Treads and Risers (Section 314)	7 3/4" max 10" min	O
Width	3'	OK
Headroom	6'8"	OK
Guardrails and Handrails (Section 315)	36" returned	OK
Smoke Detectors Location and type/Interconnected	ALL Bedrooms / protecting ALL levels in/intercont. / bath	OK
Plan Reviewer Signature		

See Chimney Summary & EKLIST

Deck 2x8 box.  
3 Piers - 2x8 Beam mark 7'6" sk

AUG 1 2 2004

# All Purpose Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>Lot 1 Yale St. Portland, Me.</u>		
Total Square Footage of Proposed Structure <u>2159 SF</u>	Square Footage of Lot <u>14,627 SF</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>430</u> Block# <u>A</u> Lot# <u>9</u>	Owner: <u>MKS Development Falmouth, Me.</u>	Telephone: <u>781-8822</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Christopher J. Ballard, Inc. 7 Terra Way, Falmouth, Me.</u>	Cost Of Work: \$ <u>134,000.00</u> Fee: \$
Current use: <u>vacant land</u>		
If the location is currently vacant, what was prior use: <u>N/A</u>		
Approximately how long has it been vacant: <u>N/A</u>		
Proposed use: <u>single family home</u>		
Project description: <u>Colonial style home w/ two car garage</u>		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: <u>Chris Ballard 838-3800</u>		
Mailing address: <u>7 Terra Way Falmouth, Me. 0405</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>838-3800</u>		

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Officer's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>Chris Ballard</u>	Date: <u>8/11/04</u>
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This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4<sup>th</sup> floor of City Hall

Applicant: Chris Ballard  
Address: 24 Yale Ct - (lot #1)

Date: 8/26/04  
C-B-L: 436-A-009

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New Development permit #04-1187  
Zone Location - R-3

Interior or corner lot -

Proposed Use/Work - to construct New Colonial (2 story) with attached garage with 24.5 x 36 22 x 24

Sewage Disposal - City with 8' x 12' rear deck

Lot Street Frontage - 50' -  $\approx 137'$  scaled

Front Yard - 25' min - 26' given

Rear Yard - 25' min - 35' to rear deck

Side Yard - 14' min - 20' given  $\approx 70'$  scaled

Projections - rear deck 8' x 12'

Width of Lot - 75' min  $\approx 137'$  scaled

Height - 35' MAX - 31.5' scaled to ridge

Lot Area - 6,500  $\Phi$  14,627  $\Phi$  given

Lot Coverage/ Impervious Surface - 25% MAX or 3656.75  $\Phi$  MAX

Area per Family - 6,500  $\Phi$

Off-street Parking - 2 req - 2 car garage show

Loading Bays - N/A

Site Plan - mmor/mmof #2004-0167

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - panel 7 - Zone X

rear daylight basement show

21  
 $24.5 \times 36 = 882$   
 $22 \times 24 = 528$   
 $8' \times 12' = 96$

1506  $\Phi$





**QUITCLAIM DEED WITH COVENANT**

(Maine Statutory Short Form)

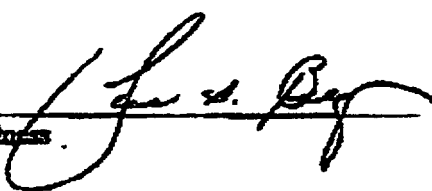
Book 20376  
Page 314  
Recorded 10/10/03

**WESCOTT & PAYSON II, LLC**, a Maine limited liability company, whose mailing address is in Portland, Maine, hereinafter referred to as the Grantor, for consideration paid grants to **MKS DEVELOPMENT, INC.**, a Maine corporation, with a mailing address of 7 Terra Way, Falmouth, Maine 04105, hereinafter referred to as the Grantee, with **QUITCLAIM COVENANTS**, a certain lot or parcel of land situated in the Portland, County of Cumberland, and State of Maine, and described as follows:

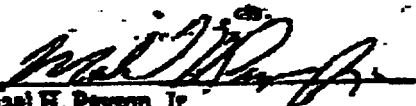
**SEE EXHIBIT A ATTACHED HERETO**

**IN WITNESS WHEREOF**, the Grantor, Wescott & Payson II, LLC, has caused this instrument to be signed and sealed this 9 day of October, 2003.

Signed, Sealed and Delivered  
in presence of:

Witness 

**WESCOTT & PAYSON II, LLC**

By:   
Michael H. Payson, Jr.  
Its: Manager and Member

STATE OF MAINE  
CUMBERLAND, SS.

October 9, 2003

Then personally appeared the above named Michael H. Payson, Jr., in his capacity as Manager and Member of Wescott & Payson II, LLC, and acknowledged the foregoing instrument to be his free act and deed and the free act and deed of Wescott & Payson II, LLC.

Before me,

  
Attorney-at-Law/Notary Public

**EXHIBIT A:**

**Certain parcels of land situated on or about Yale Street in the City of Portland, County of Cumberland and State of Maine, bounded and described as follows:**

**A certain lot or parcel of land located on the northeast side of Yale Street in the City of Portland, County of Cumberland, State of Maine, bounded and described as follows:**

**Beginning at a point on the northeasterly sideline of Yale Street and the southerly corner of land now or formerly of the Maine Conference of Seventh Day Adventists as described in a deed recorded in the Cumberland County Registry of Deeds in Book 4488, Page 191. Thence:**

**Thence N 35° 49' 00" E by said land of the Maine Conference of Seventh Day Adventists a distance of One Hundred and 00/100 (100.00) feet to a point and land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 18226, Page 260.**

**Thence N 35° 49' 00" E across said land of Wescott & Payson II a distance of Seven and 55/100 (7.55) feet to a point and land now or formerly of the Allen Avenue Housing Associates as described in a deed recorded in said Registry in Book 9037, Page 328.**

**Thence S 54° 11' 00" E by said land of the Allen Avenue Housing Associates a distance of Two Hundred Thirty-Seven and 95/100 (237.95) feet to a 1" iron pipe found and other land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 17365, Page 293 and land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 18226, Page 260.**

**Thence S 35° 49' 00" W across said land of Wescott & Payson II (Book 18226, Page 260) a distance of Seven and 55/100 (7.55) feet to a point.**

**Thence S 54° 11' 00" E by said land of Wescott & Payson II a distance of Five Hundred Seventy-Three and 05/100 (573.05) feet to a point and other land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 17365, Page 289 and Book 17365, Page 291.**

**Thence S 35° 49' 00" W across said land of Wescott & Payson II a distance of Ninety and 00/100 (90.00) feet to a point of curvature.**

**Thence Westerly across said land of Wescott & Payson II, following a curve to the right having a radius of Ten and 00/100 (10.00) feet, an arc distance of Fifteen and 71/100 (15.71) feet to a point of tangency and the northeasterly side of said Yale Street, said point of tangency lying S 80° 49' 00" W a distance of Fourteen and 14/100 (14.14) feet from the last mentioned point.**

**Thence N 54° 11' 00" W by said Yale Street a distance of Seven Hundred Seventy-Six and 00/100 (776.00) feet to the point of beginning.**

The above described parcel contains 80,375 square feet. Bearings are referenced to magnetic north 1983.

Reference is herein made to a Standard Boundary Survey made for Wescott & Payson II by Titcomb Associates dated June 12, 2002 as recorded in the Cumberland County Registry of Deeds in Plan Book 202, Page 693.

The foregoing property may also be described as Lots number 1 through 10 located on Yale Street in Portland, Maine as shown on the plan entitled "Subdivision Redefining Plat - Amendment to "Plan of Lots" at University Park" prepared for Wescott & Payson II by Land Use Consultants revised through September 30, 2002 and approved by the City of Portland on January 14, 2003, recorded in the Cumberland County Registry of Deeds in Plan Book 203 Page 262 (the "Plat"), subject to the easements, restrictions and obligations set forth in the Plat.

Subject to a Drainage Easement Deed from Wescott & Payson II to the City of Portland of even or recent date to be recorded in the said Registry of Deeds for Drainage Easements "A," "B" and "C" as shown on the Plat.

Together with an easement for access and utilities from the subject property in and over Yale Street to Harvard Street, a public way, until such time as Yale Street is accepted by the City of Portland as a public way.

Together with the benefit of a 50 foot by 50 foot Turnaround Easement as described in an Easement Deed for Turnaround from Wescott & Payson II, LLC to the City of Portland of even or recent date to be recorded in the said Registry of Deeds.

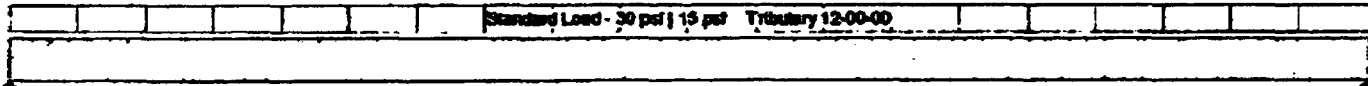
Being a portion of the property conveyed to Wescott & Payson II, LLC, formerly known as Wescott & Payson II by deed recorded in the Cumberland County Registry of Deeds in Book 17365, Page 289, Book 17365, Page 291 and Book 18226, Page 261. Reference is made to the Recorded Certificate from the Maine Secretary of State evidencing the transformation of Wescott & Payson II, a Maine General Partnership, into Wescott & Payson II, LLC, a Maine limited liability company.

**Single 5 1/4" x 9 1/2" VERSA-LAM® 3080 DF**

Job Name:  
 Address:  
 City, State, Zip:  
 Customer:  
 Code reports: ICBO 5663, NER 442

File Name: BC CALC Project : FB01  
 Description:  
 Specifier:  
 Designer: MB  
 Company: Hancock Lumber  
 Misc:

*Kitchen Area*



B0  
 2520 lbs LL  
 1350 lbs DL

B1  
 2520 lbs LL  
 1350 lbs DL

Total Horizontal Length - 14-00-00

**General Data**

Version: US Imperial

Member Type: Floor Beam  
 Number of Spans: 1  
 Left Cantilever: No  
 Right Cantilever: No

Slope: 0/12  
 Tributary: 12-00-00

Live Load: 30 psf  
 Dead Load: 15 psf  
 Partition Load: 0 psf  
 Duration: 100

**Load Summary**

ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur.
S	Standard Load	Unif. Area	Left	00-00-00	14-00-00	Live	30 psf	12-00-00	100%
						Dead	15 psf	12-00-00	90%

**Controls Summary**

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	13544 ft-lbs	65.1%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	3432 lbs	36.2%	100%	2	1 - Left
Total Load Defl.	L/284 (0.637")	91.0%		2	1
Live Load Defl.	L/405 (0.415")	88.9%		2	1
Max Defl.	0.637"	63.7%		2	1

**Notes**

Design meets Code minimum (L/240) Total load deflection criteria.  
 Design meets Code minimum (L/360) Live load deflection criteria.  
 Design meets arbitrary (1") Maximum load deflection criteria.  
 Minimum bearing length for B0 is 1-1/2".  
 Minimum bearing length for B1 is 1-1/2".  
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

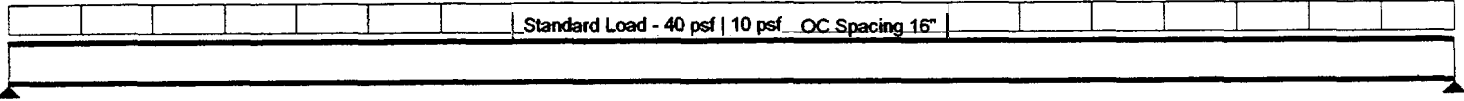
**Disclosure:**  
 The completeness and accuracy of the input must be verified by anyone who would rely on the output as evidence of suitability for a particular application. The output above is based upon building code-accepted design practices and analysis methods. Installation of BOISE engineered wood products must be in accordance with the current Installation Guide and the applicable building codes. To obtain an Installation Guide or if you have any questions, please call (800)232-0788 before beginning product installation.

BC CALC®, BC FRAMER®, BC®, BC RIM BOARD™, BC OSB RIM BOARD™, BOISE GLULAM™, VERSA-LAM®, VERSA-RIM®, VERSA-RIM PLUS®, VERSA-STRAND™, VERSA-STUD®, ALLJOIST® and AIS™ are trademarks of Boise Cascade Corporation.

### Single 14" AJS™ 20 MSR

Job Name: ~~GARAGE DOOR HEADER~~  
 Address:  
 City, State, Zip: *Joists*  
 Customer:  
 Code reports: BOCA 22-09, SBCCI 9707D, ICBO PFC-5504

File Name: BC CALC Project.JOI  
 Description:  
 Specifier:  
 Designer: MB  
 Company: Hancock Lumber  
 MI:



587 lbs LL  
 147 lbs DL

587 lbs LL  
 147 lbs DL

Total Horizontal Length - 22-00-00

#### General Data

Version: US Imperial  
 Member Type: Joist  
 Number of Spans: 1  
 Left Cantilever: No  
 Right Cantilever: No  
 Slope: 0/12  
 OC Spacing: 16"  
 Repetitive: Yes  
 Construction Type: Glued  
 Live Load: 40 psf  
 Dead Load: 10 psf  
 Partition Load: 0 psf  
 Duration: 100

#### Disclosure

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#### Load Summary

ID	Description	Load Type	Ref.	Start	End	Type	Value	OCS	Dur.
S	Standard Load	Unf. Area	Left	00-00-00	22-00-00	Live	40 psf	16"	100%
						Dead	10 psf	16"	90%

#### Controls Summary

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	4033 ft-lbs	80.7%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Reaction	733 lbs	64.1%	100%	2	1-Left
Total Load Defl.	L/439 (0.602")	54.7%		2	1
Live Load Defl.	L/548 (0.481")	87.5%		2	1
Max Defl.	0.602"	60.2%		2	1
Span / Depth	18.9	n/a			1

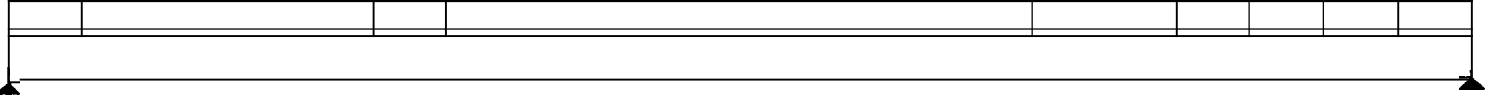
#### Notes

Design meets Code minimum (L/240) Total load deflection criteria.  
 Design meets User specified (L/480) Live load deflection criteria.  
 Design meets arbitrary (1") Maximum load deflection criteria.  
 Minimum bearing length for B0 is 1-3/4".  
 Minimum bearing length for B1 is 1-3/4".  
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 mm. end bearing + 1/2 intermediate bearing

**Single 5 1/4" x 14" VERSA-LAM® 3080 DF**

Job Name: GARAGE DOOR HEADER  
 Address: \_\_\_\_\_  
 City, State, Zip: ,  
 Customer:  
 Code reports: ICBO 5663, NER 442

File Name: BC CALC Project :FB02  
 Description:  
 Specifier:  
 Designer: MB  
 Company: Hancock Lumber  
 M i :



4320 lbs LL  
 1250 lbs DL

4320 lbs LL  
 1250 lbs DL

Total Horizontal Length - 18-00-00

**General Data**

Version: US Imperial  
 Member Type: Floor Beam  
 Number of Spans: 1  
 Left Cantilever: No  
 Right Cantilever: No  
 Slope: w12  
 Tributary: 12-00-00

Live Load: 40 psf  
 Dead Load: 10 psf  
 Partition Load: 0 psf  
 Duration: 100

**Disclosure**

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**Load Summary**

ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur.
S	Standard Load	Unf. Area	Left	00-00-00	18-00-00	Live	40 psf	12-00-00	100%
						Dead	10 psf	12-00-00	90%

**Controls Summary**

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	25065 ft-lbs	57.9%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End shear	4848 lbs	34.7%	100%	2	1 - Left
Total Load Defl.	L/355 (0.609")	67.6%		2	1
Live Load Defl.	L/457 (0.472")	78.7%		2	1

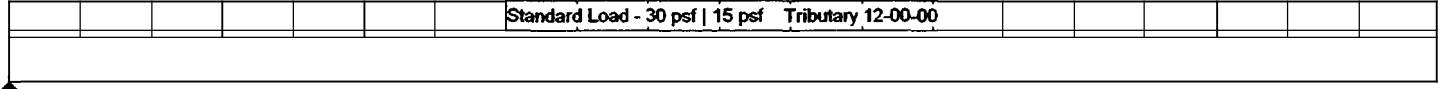
**Notes**

Design meets Code minimum (L/240) Total load deflection criteria.  
 Design meets Code minimum (L/360) Live load deflection criteria.  
 Minimum bearing length for B<sub>o</sub> is 1-1/2".  
 Minimum bearing length for 61 is 1-1/2".  
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 mm. end bearing + 1/2 intermediate bearing

**Single 3 1/2" x 9 1/2" VERSA-LAM® 3080 DF**

Job Name: ~~GARAGE DOOR HEADER~~  
 Address:  
 City, State, Zip: **LIV. ROOM ENTRY**  
 Customer:  
 Code reports: ICBO 5663, NER 442

File Name: BC CALC Project :FB01  
 Description:  
 Specifier:  
 Designer: MB  
 Company: Hancock Lumber  
 Misc:



2160 lbs LL  
 1131 lbs DL

2160 lbs LL  
 1131 lbs DL

Total Horizontal Length - 12-00-00

**General Data**

Version: US Imperial  
 Member Type: Floor Beam  
 Number of Spans: 1  
 Left cantilever: No  
 Right Cantilever: No  
 Slope: 0/12  
 Tributary: 12-00-00  
 Live Load: 30 psf  
 Dead Load: 15 psf  
 Partition Load: 0 psf  
 Duration: 100

**Load Summary**

ID	Description	Load Type	Ref.	Start	End	Type	Vdue	Trib.	Dur.
S	Standard Load	Unf. Area	Left	00-00-00	12-00-00	Live	30 psf	12-00-00	100%
						Dead	15 psf	12-00-00	90%

**Controls Summary**

Control Type	Value	% Allowable	Duration	Load Case	span
Moment	9874 ft-lbs	71.2%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	2857 lbs	45.2%	100%	2	1 - Left
Total Load Defl.	L/281 (0.512")	85.3%		2	1
Live Load Defl.	L/429 (0.336")	84.0%		2	1

**Notes**

Design meets Code minimum (L/240) Total bad deflection criteria.  
 Design meets Code minimum (L/360) Live bad deflection criteria.  
 Minimum bearing length for B0 is 1-1/2".  
 Minimum bearing length for B1 is 1-1/2".  
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

**Disclosure**

The completeness and accuracy of the input must be verified by anyone who would rely on the output as evidence of suitability for a particular application. The output above is based upon building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with the current Installation Guide and the applicable building codes. To obtain an Installation Guide or if you have any questions, please call (800)232-0788 before beginning product installation.

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